



Coordination Chemistry Reviews
206–207 (2000) 661

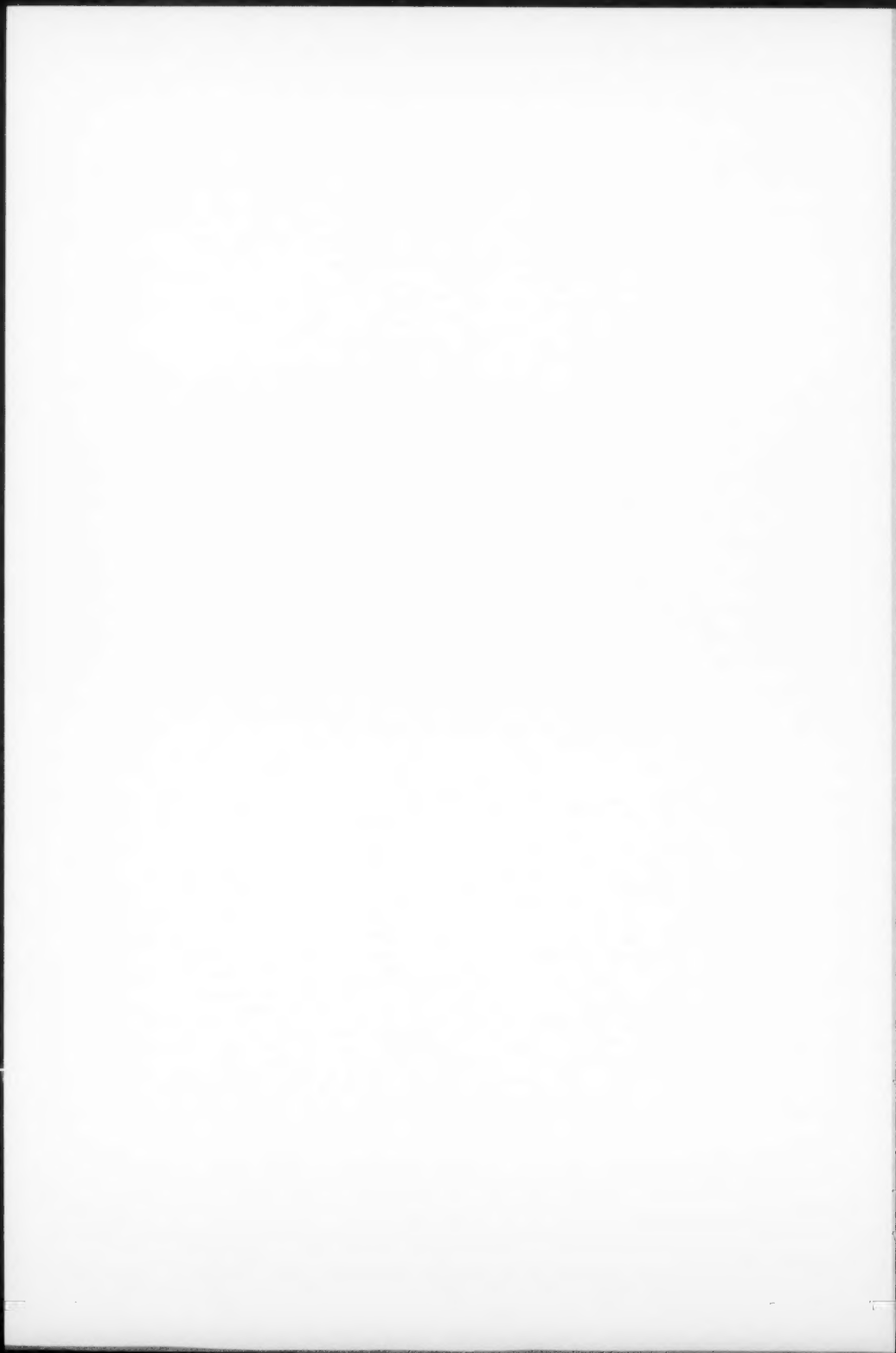
**COORDINATION
CHEMISTRY
REVIEWS**

www.elsevier.com/locate/ccr

COORDINATION CHEMISTRY REVIEWS, VOLS. 206–207 (2000)

AUTHOR INDEX

- | | | |
|----------------------------|-----------------------|------------------------|
| Angelici, R.J., 63 | Gilje, J.W., 321 | Lyon, E.J., 533 |
| Bildstein, B., 369 | Gladfelter, W.L., 631 | McElwee-White, L., 469 |
| Bitterwolf, T.E., 419, 563 | Gonsalves, K.E., 607 | Miller, J.S., 651 |
| Brent Gunnoe, T., 3 | Gun'ko, Y., 321 | Moss, J.R., 581 |
| Brooks, B.C., 3 | | |
| Chen, J., 63 | Harrod, J.F., 493 | Overett, M.J., 581 |
| Darensbourg, M.Y., 533 | Herndon, J.W., 237 | Perez, R., 607 |
| Dean Harman, W., 3 | Hill, R.O., 581 | |
| Edelmann, F.T., 321 | Hoff, C.D., 451 | Rheinwald, G., 101 |
| Epstein, A.J., 651 | Jacob, K., 321 | Santiago, P., 607 |
| Evans, W.J., 263 | Jegier, J.A., 631 | Schnöckel, H., 285 |
| Fischer, A., 321 | Jose-Yacamán, M., 607 | Smee, J.J., 533 |
| Frohnäpfel, D.S., 199 | King, R.B., 1, 563 | Templeton, J.L., 199 |
| George, D.S.A., 101 | Lang, H., 101 | Torraca, K.E., 469 |
| Gießmann, S., 321 | Li, H., 607 | Whittlesey, B.R., 395 |
| | Linti, G., 285 | |
| | Lorenz, V., 321 | |





COORDINATION CHEMISTRY REVIEWS, VOLS. 206–207 (2000)

SUBJECT INDEX

- Actinides
Disiloxanediolates and polyhedral metal-
lasilsesquioxanes of the early transition
metals and *f*-elements 321
- Alkenyl
Organometallic chemistry and surface sci-
ence: mechanistic models for the Fischer–
Tropsch synthesis 581
- Alkynyl complexes
Transition metal η^2 -vinyl complexes 199
- Alkyl
Organometallic chemistry and surface sci-
ence: mechanistic models for the Fischer–
Tropsch synthesis 581
- Alkynyl-bridged binuclear and oligonuclear
complexes
Bis(alkynyl) transition metal complexes,
 $R^1C\equiv C-[M]-C\equiv CR^2$, as organometallic
chelating ligands; formation of $\mu, \eta^{1(2)}$ -
alkynyl-bridged binuclear and oligonu-
clear complexes 101
- Aluminum
Low valent aluminum and gallium com-
pounds — structural variety and coordi-
nation modes to transition metal
fragments 285
- Aromatic
Dihapto binding of aromatic molecules by
 π -basic transition metal complexes: devel-
opment of alternatives to the
 $\{\text{Os}(\text{NH}_3)_5\}^{2+}$ fragment 3
- Bioinorganic
The bio-organometallic chemistry of active
site iron in hydrogenases 533
- Bioorganometallic chemistry
The bio-organometallic chemistry of active
site iron in hydrogenases 533
- Bis(alkynyl) transition metal complexes
Bis(alkynyl) transition metal complexes,
 $R^1C\equiv C-[M]-C\equiv CR^2$, as organometallic
chelating ligands; formation of $\mu, \eta^{1(2)}$ -
alkynyl-bridged binuclear and oligonu-
clear complexes 101
- Carbene complexes
Applications of carbene complexes toward
organic synthesis 237
- Catalysis
Catalysis of reactions of Si–H by titanocene
and its derivatives 493
- Chemical vapor deposition
Synthesis of nanostructured metals and metal
alloys from organometallics 607
- Clusters
Low valent aluminum and gallium com-
pounds — structural variety and coordi-
nation modes to transition metal
fragments 285
- Cumulene
Cationic and neutral cumulene sp-carbon
chains with ferrocenyl termini 369
- Cyclopentadienyl
Perspectives in reductive lanthanide chem-
istry 263
- Cyclopentadienyl metal carbonyl compounds
Photochemistry and reaction intermediates
of the bimetallic Group VIII cyclopenta-
dienyl metal carbonyl compounds, $(\eta^2$ -
 $\text{C}_5\text{H}_5)_2\text{M}_2(\text{CO})_4$ and their derivatives 419
- Dearomatization
Dihapto binding of aromatic molecules by
 π -basic transition metal complexes: devel-
opment of alternatives to the
 $\{\text{Os}(\text{NH}_3)_5\}^{2+}$ fragment 3
- Dehydrocoupling
Catalysis of reactions of Si–H by titanocene
and its derivatives 493
- Dibenzothiophene complexes
Remarkable transformations of thiophene
ligands in their pentamethylcyclopentadi-
enyl iridium (Cp^*Ir) complexes 63

Disiloxanediolates

Disiloxanediolates and polyhedral metal-lasilsesquioxanes of the early transition metals and *f*-elements 321

Early transition metals

Disiloxanediolates and polyhedral metal-lasilsesquioxanes of the early transition metals and *f*-elements 321

Electrophilic

Dihapto binding of aromatic molecules by π -basic transition metal complexes: development of alternatives to the $\{\text{Os}(\text{NH}_3)_5\}^{2+}$ fragment 3

Enantioselection

Catalysis of reactions of Si–H by titanocene and its derivatives 493

Ferrocene

Cationic and neutral cumulene sp-carbon chains with ferrocenyl termini 369

Ferromagnetic

Organometallic magnets 651

Fischer–Tropsch

Organometallic chemistry and surface science: mechanistic models for the Fischer–Tropsch synthesis 581

Free radical addition

Ligand-centered reactivity of organometallic radicals 469

Gallium

Low valent aluminum and gallium compounds — structural variety and coordination modes to transition metal fragments 285

Group VIII

Photochemistry and reaction intermediates of the bimetallic Group VIII cyclopentadienyl metal carbonyl compounds, $(\eta^5\text{-C}_5\text{H}_5)_2\text{M}_2(\text{CO})_4$ and their derivatives 419

Hydrides

The use of aluminum and gallium hydrides in materials science 631

Hydrogen activation

The bio-organometallic chemistry of active site iron in hydrogenases 533

Hydrogenase

The bio-organometallic chemistry of active site iron in hydrogenases 533

Hydrosilation

Catalysis of reactions of Si–H by titanocene and its derivatives 493

Iron–sulfur clusters

Metal carbonyl analogues of iron–sulfur clusters found in metalloenzyme chemistry 563

IR spectroscopy

The bio-organometallic chemistry of active site iron in hydrogenases 533

Kinetic

Thermodynamic and kinetic studies of stable low valent transition metal radical complexes 451

Lanthanide

Perspectives in reductive lanthanide chemistry 263

Lanthanides

Disiloxanediolates and polyhedral metal-lasilsesquioxanes of the early transition metals and *f*-elements 321

Ligand–ligand coupling

Ligand-centered reactivity of organometallic radicals 469

Low valent

Low valent aluminum and gallium compounds — structural variety and coordination modes to transition metal fragments 285

Perspectives in reductive lanthanide chemistry 263

Magnetic ordering temperature

Organometallic magnets 651

Materials science

The use of aluminum and gallium hydrides in materials science 631

Mechanisms

Organometallic chemistry and surface science: mechanistic models for the Fischer–Tropsch synthesis 581

Metal carbonyl analogues

Metal carbonyl analogues of iron–sulfur clusters found in metalloenzyme chemistry 563

Metal cluster

Xenophilic transition metal clusters 395

Metallacyclopentene complexes

Transition metal η^2 -vinyl complexes 199

Metallasilsesquioxanes

Disiloxanediolates and polyhedral metal-lasilsesquioxanes of the early transition metals and *f*-elements 321

Metalloenzyme chemistry

Metal carbonyl analogues of iron–sulfur clusters found in metalloenzyme chemistry 563

Metal–metal bond

Xenophilic transition metal clusters 395

Nanostructured materials

Synthesis of nanostructured metals and metal alloys from organometallics 607

Nanostructured metal alloys

Synthesis of nanostructured metals and metal alloys from organometallics 607

Nanostructured metals

Synthesis of nanostructured metals and metal alloys from organometallics 607

Organic magnets

Organometallic magnets 651

Organic synthesis

Applications of carbene complexes toward organic synthesis 237

Organometallic

Perspectives in reductive lanthanide chemistry 263

Organometallic chelating ligands

Bis(alkynyl) transition metal complexes, $R^1C \equiv C-[M]-C \equiv CR^2$, as organometallic chelating ligands; formation of $\mu, \eta^{1(2)}$, alkynyl-bridged binuclear and oligonuclear complexes 101

Organometallic chemistry

Organometallic chemistry and surface science: mechanistic models for the Fischer–Tropsch synthesis 581

Organometallic radicals

Ligand-centered reactivity of organometallic radicals 469

Organometallics

Synthesis of nanostructured metals and metal alloys from organometallics 607

Organosilanes

Catalysis of reactions of Si–H by titanocene and its derivatives 493

Osmium

Dihapto binding of aromatic molecules by π -basic transition metal complexes: development of alternatives to the $\{Os(NH_3)_5\}^{2+}$ fragment 3

Paramagnetic

Xenophilic transition metal clusters 395

Pentamethylcyclopentadienyl iridium complexes

Remarkable transformations of thiophene ligands in their pentamethylcyclopentadienyl iridium (Cp^*Ir) complexes 63

Photochemistry

Photochemistry and reaction intermediates

of the bimetallic Group VIII cyclopentadienyl metal carbonyl compounds, $(\eta^5-C_5H_5)_2M_2(CO)_4$ and their derivatives 419

Reaction intermediates

Photochemistry and reaction intermediates of the bimetallic Group VIII cyclopentadienyl metal carbonyl compounds, $(\eta^5-C_5H_5)_2M_2(CO)_4$ and their derivatives 419

Reactivity patterns

Applications of carbene complexes toward organic synthesis 237

Redistribution

Catalysis of reactions of Si–H by titanocene and its derivatives 493

Reduction

Perspectives in reductive lanthanide chemistry 263

Rhenium

Dihapto binding of aromatic molecules by π -basic transition metal complexes: development of alternatives to the $\{Os(NH_3)_5\}^{2+}$ fragment 3

Silsesquioxanes

Disiloxanediolates and polyhedral metal-lasilsesquioxanes of the early transition metals and *f*-elements 321

Solid state material

The use of aluminum and gallium hydrides in materials science 631

Sonochemical synthesis

Synthesis of nanostructured metals and metal alloys from organometallics 607

Steric

Perspectives in reductive lanthanide chemistry 263

Synthetic models

The bio-organometallic chemistry of active site iron in hydrogenases 533

Thermodynamic

Thermodynamic and kinetic studies of stable low valent transition metal radical complexes 451

Thiophene ligands

Remarkable transformations of thiophene ligands in their pentamethylcyclopentadienyl iridium (Cp^*Ir) complexes 63

Titanocene

Catalysis of reactions of Si–H by titanocene and its derivatives 493

Transition metal

Xenophilic transition metal clusters 395

Transition metal radical

Thermodynamic and kinetic studies of stable
low valent transition metal radical com-
plexes 451

Transition metals

Low valent aluminum and gallium com-

pounds — structural variety and coordi-
nation modes to transition metal
fragments 285

 η^2 -Vinyl complexes

Transition metal η^2 -vinyl complexes 199

